

## CLAIMS

The invention is claimed as follows:

1. A method for locating a vehicle comprising the steps of:

determining vehicle position data using a position-determining device at the vehicle;

5 and

transferring the vehicle position data to a mobile radio terminal.

2. The method of claim 1, wherein the step of determining vehicle position data is performed by a satellite navigation system.

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3. The method of claim 1, wherein the step of determining vehicle position data is performed by distance sensors and direction of travel sensors.

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4. The method of claim 1 further comprising the step of transferring the vehicle position data determined at the vehicle to a service center.

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5. The method of claim 4, further comprising the steps of transferring data based on the position data from the mobile radio terminal to a service center, generating data base on the position data at the service center, and transferring the generated data back to the mobile radio terminal.

6. The method of claim 5, wherein said vehicle position data are transferred to a service center via one of a mobile radio or bluetooth.

7. The method of claim 6, further comprising the steps of transferring data based on the position data from the mobile radio terminal to a service center, generating data base on the position data at the service center, and transferring the generated data back to the mobile radio terminal.

8. The method of claim 4, wherein said vehicle position data are transferred to a service center via one of a mobile radio or bluetooth.

9. The method of claim 1, further comprising the steps of transferring data based on the position data from the mobile radio terminal to a service center, generating data based on the position data at the service center, and transferring the generated data back to the mobile radio terminal.

10. The method of claim 9, further including the step of superimposing data comprising electronic map data of the position data generated at the service center.

11. The method of claim 10, wherein the data comprising said electronic map data comprises one of a map of a multi-story parking garage, a parking lot, or a town.

12. The method of claim 9, wherein the data transferred back to the mobile radio terminal comprises at least one of directional information, distance information and turning instructions.

13. A device for determining the position of a vehicle comprising:

means for determining the position of the vehicle mounted on the vehicle; and

a transmitter device for transmitting position data representing the position of

5 the vehicle generated by the position determining means to a mobile radio terminal.

14. A position information server for use in a vehicle location system wherein

vehicle position data generated on the vehicle is transmitted to a mobile radio terminal,

said position information server comprising:

10 a receiver device for receiving position data transmitted by one of a vehicle or a  
mobile radio terminal, and

a transmitter device for transmitting data based on the position data to the  
mobile radio terminal.

15 15. The position information server as claimed in claim 11, wherein the receiver  
device and/or the transmitter device are bluetooth-based.

16. The position information server as claimed in claim 11, wherein the receiver  
device and/or the transmitter device of the position information server are mobile-  
20 radio-based.